

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF. CANADIAN STC: SH04-7  
REF. FAA STC: SR01997NY  
REF. EASA STC: EASA.IM.R.S.00710

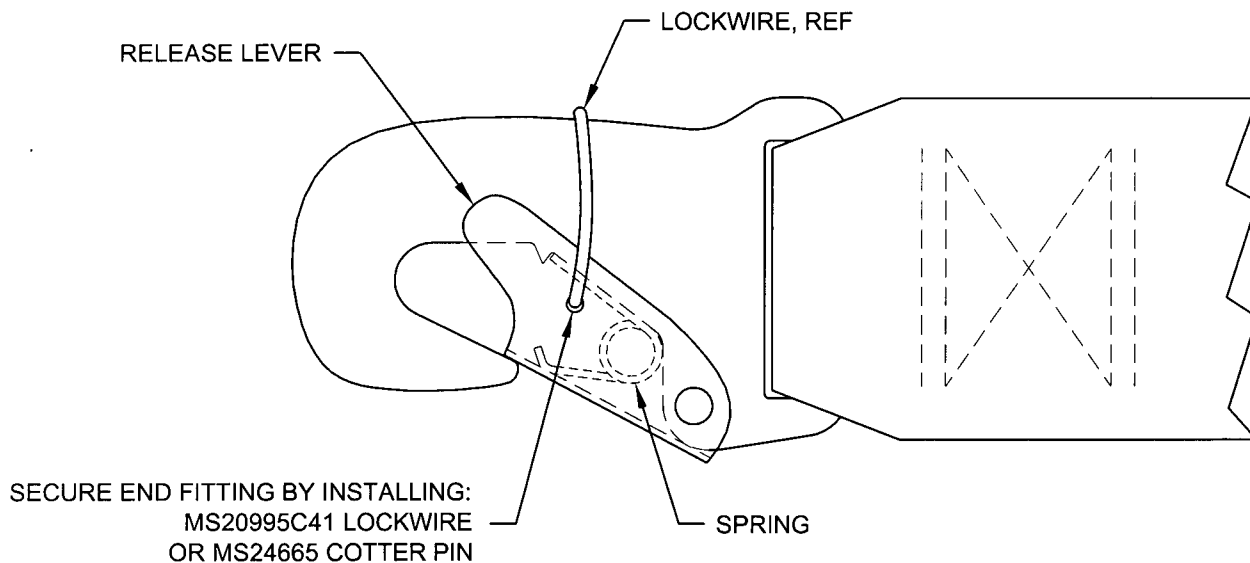
## **PROBLEM:**

It is possible for the spring that automatically closes the release lever on hook-style end fittings to fail or come loose. This would allow the end fitting to release from the seat structure. The spring is normally hidden by the release lever and this failure may not be immediately noticeable.

## **CHANGE:**

To eliminate any possibility of the harnesses disconnecting during operation, it is MANDATORY to lockwire / cotter pin the end fitting after installation. ICA-D412-702 and IIN-D412-702 are revised for all shoulder harness kits with hook-style end fittings, including the D205-702-053B, D214-702-035/-037B, and D412-702-021/-023/-025/-027/-029/-031/-033/-041A/-041B/-043A/-043B/-045A/-045B/-047A/-047B/-049A/-049B/-051A/-051B/-052B kits. Perform the following after installation and prior to use:

Secure all hook-style end fittings with MS20995C41 lockwire PER AC43.13-1B Chapter 7 Section 7 or install a MS24665 cotter pin. Usage of lockwire / cotter pins is NOT optional.



## TYPICAL HOOK-STYLE END FITTING

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED <i>[Signature]</i>	
BY:	D. SHEPHERD (DE # 02)
DATE:	09.08.05
CERT. NO.:	SH04-7
ISSUE NO.:	3

A	NEW ISSUE	CP	09.08.05
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9474	SHEET 1 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	END FITTING INSTALL MODIFICATION NTS	
DATE	09.08.05	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
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November 05, 2008 – Original Date

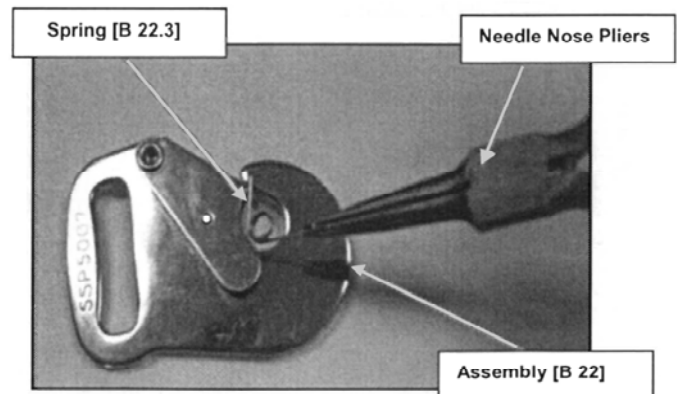
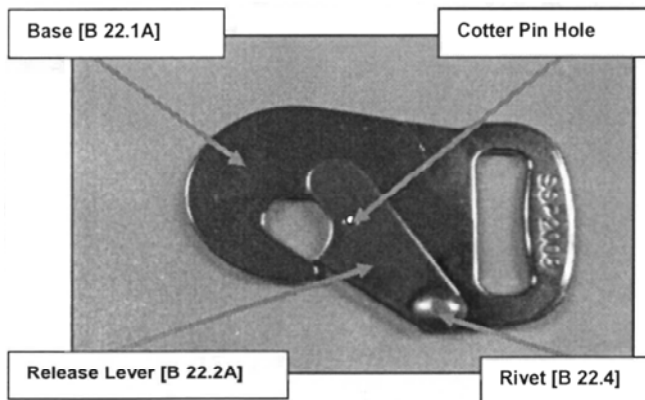
Subject: TECHNICAL INFORMATION LETTER (TIL) FOR SPRING REPLACEMENT OF B 22  
END FITTING

Dear Customer:

This TIL authorizes customers to replace lost or damaged springs (P/N B 22.3) on End Fitting P/N B 22 on all applicable restraints.

The replacement procedures are as follows:

- Use a needle nose pliers and grip the long leg of the spring.
- Position the release lever (P/N B 22.2A) and insert the spring between the release lever and the end fitting base (P/N B 22.1A). See Figure 2 below. The spring must sit below the notch on the end fitting base.
- Insert a cotter pin in the hole of the end fitting assembly.
- Push the release lever in three times and release; checking if the spring is functioning properly.



*Note: It is very critical that the spring stay in place during operation; check the restraint periodic to make sure the restraint is functioning properly.*

Please direct any technical questions to Marianne Kump, Engineering Manager, at (954) 784-3178 x335 or return issues to Marc Mitchell, Quality Manager, at (954) 784-3178 x 343.

Sincerely,

Barrington Black

Application Engineer  
(954) 784-3178 x341  
[barrington.black@baesystems.com](mailto:barrington.black@baesystems.com)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY:   
D. SHEPHERD (DE # 02)

DATE: 09.08.05  
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DESIGN	90	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	90		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9474	SHEET 2 OF 2
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